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Docket No.: 102619-186

(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Farhad Zarinetchi, et al.

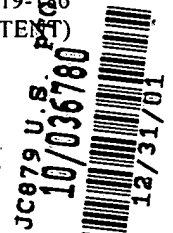
Application No.: Not Yet Assigned
(Parent: 09/347,322-3693)

Group Art Unit: Not Yet Assigned
(Parent: 3762)

Filed: December 31, 2001

Examiner: Not Yet Assigned
(Parent: K. Schaetzle)

For: MAGNETIC SHIELD FOR PRIMARY COIL
OF TRANSCUTANEOUS ENERGY
TRANSFER DEVICE



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INFORMATION DISCLOSURE STATEMENT (IDS)

Box Patent Application
Commissioner for Patents
Washington, DC 20231

Dear Sir:

Pursuant to 37 CFR 1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

Those patent(s) or publication(s) which are marked with an asterisk (*) on PTO/SB/08 are not supplied because they were previously cited by or submitted to the Office in a prior U.S. Application No. 09/347,322, which is relied upon in this application for an earlier filing date under 35 U.S.C. §120.

While the information and references disclosed in this Information Disclosure Statement may be "material" pursuant to 37 CFR 1.56, it is not intended to constitute an admission that any

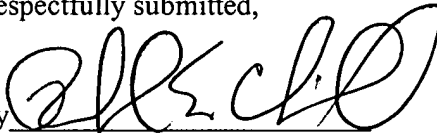
patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

The Commissioner is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 141449, under Order No. 102619-186.

Dated: December 31, 2001

Respectfully submitted,

By 

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Complete if Known	
				Application Number	Not Yet Assigned
				Filing Date	December 31, 2001
				First Named Inventor	Farhad Zarinetchi et al.
				Art Unit	N/A
				Examiner Name	Not Yet Assigned
Sheet	1	of	4	Attorney Docket Number	102619-186

U.S. PATENT DOCUMENTS

Examine r Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
*	AA	3195540	07/20/65	Waller	
*	AB	3357432	12/12/67	Abell	
*	AC	3824129	07/16/74	Fagan, F.G. Jr.	
*	AD	3888260	06/10/75	Fischell	
*	AE	3934177	01/20/76	Horbach	
*	AF	3942535	03/09/76	Schulman	
*	AG	4012769	03/15/77	Edwards et al.	
*	AH	4041955	08/16/77	Kelly et al.	
*	AI	4068292	01/10/78	Berry et al.	
*	AJ	4071032	01/31/78	Schulman	
*	AK	4104701	08/01/78	Baranowski	
*	AL	4266533	05/1981	Ryaby et al.	
*	AM	4441498	04/10/84	Nordling	
*	AN	4517585	05/14/85	Ridout et al.	
*	AO	4539433	09/1985	Ishino et al.	
*	AP	4586508	05/06/86	Batina et al.	
*	AQ	4665896	05/19/87	LaForge et al.	
*	AR	4679560	07/14/87	Galbraith	
*	AS	4741339	05/03/88	Harrison et al.	
*	AT	4944299	07/31/90	Silvian	
*	AU	5000178	03/19/91	Griffith	
*	AV	5214392	05/25/93	Kobayashi et al.	
*	AW	5312439	05/17/94	Loeb	
*	AX	5324316	06/28/94	Schulman et al.	
*	AY	5358514	10/25/94	Schulman et al.	
*	AZ	5411537	05/02/95	Munshi et al.	
*	AAA	5527348	06/18/96	Winkler et al.	
*	AAB	5621369	09/1985	Gardner et al.	
*	AAC	5740257	04/14/98	Marcus	
*	AAD	5951459	09/1985	Blackwell	
*	AAE	5948006	09/1999	Mann	
*	AAF	5951459	09/1999	Blackwell	
*	AAG	5959522	09/28/99	Andrews	
*	AAH	6048601	04/2000	Yahagi et al.	
	AAI	6324431	11/2001	Zarinetchi et al.	
	AAJ	6324430B1	11/2001	Zarinetchi et al.	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Application Number	Not Yet Assigned		
		Filing Date	December 31, 2001		
		First Named Inventor	Farhad Zarinetchi et al.		
		Art Unit	N/A		
		Examiner Name	Not Yet Assigned		
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FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
*	BA	EP-A-0 507 360	10/07/1992	Europe		
*	BB	2720011	11/16/1978	Germany		
	BC	WO 00/01442	01/13/2000	PCT		

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS						
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc), date, page(s), volume-issue number(s), publisher, city and/or country where published.				T ²
*	CA	Akutsu, Tetsuzo, ed. <u>Artificial Heart 2: Proceedings of the 2nd International Symposium on Artificial Heart and Assist Device</u> . Abe et al. "Development of Transcutaneous Energy Transmission System for Totally Implantable Artificial Heart." Springer-Verlag, Tokyo, Berlin, Heidelberg, New York, London, Paris. 1988, pp 257-261.				
*	CB	Norman, J., ed. <u>Cardiovascular Science & Technology Basic & Applied, I Precised Proceedings</u> . Altieri et al. "Progress Towards a Totally Implantable Artificial Heart," Grant No.: N01 HV88105. Penn State Univ., Hershey, pp 213-216. (Publication date unknown.)				
*	CC	Bearnson et al. "Electronics Development for the Utah Electrohydraulic Total Artificial Heart," <i>IEEE, Sixth Annual IEEE Symposium on Computer-Based Medical Systems</i> , 1993, pp 247-252.				
*	CD	Callewaert et al. "A Programmable Implantable Stimulator with Percutaneous Optical Control," <i>IEEE, Ninth Annual Conference of the Engineering in Medicine and Biology Society</i> , 1987, pp 1370-1371.				
*	CE	Fraim et al. "Performance of a Tune Ferrite Core Transcutaneous Transformer," <i>IEEE Transactions on Bio-Medical Engineering</i> , Vol. BME-18, No. 5, 9/1971, pp 352-359.				
*	CF	Galbraith et al. "A Wide-Band Efficient Inductive Transdermal Power and Data Link with Coupling Insensitive Gain," <i>IEEE Transactions on Bio-Medical Engineering</i> , Vol. BME-34, No. 4, 4/1987, pp. 265-275.				
*	CG	Mitamura et al. "A Transcutaneous Optical Information Transmission System for Implantable Motor-drive Artificial Hearts," <i>Asaio Transactions</i> , Vol. 36, No. 3, ISSN 0889-7190, 9/1990, pp M277-M280.				
*	CH	Mitamura et al. "Development of an Implantable Motor-Driven Assist Pump System," <i>IEEE Transactions on Bio-Medical Engineering</i> , Vol. 37, No. 2, 2/1990, pp 146-156.				
*	CI	Mitamura et al. "Development of Motor Driven Assist Pump Systems," <i>IEEE, Ninth Annual Conference of the Engineering in Medicine and Biology Society</i> , 1987, pp 0184-0185.				
*	CJ	Mohammed et al. "A Miniature DC-DC Converter for Energy Producing Implantable Devices," <i>IEEE, Ninth Annual Conference of the Engineering in Medicine and Biology</i>				

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Substitute for form 1449B/PTO		Complete if Known			
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	Not Yet Assigned		
		Filing Date	December 31, 2001		
		First Named Inventor	Farhad Zarinetchi et al.		
		Group Art Unit	N/A		
		Examiner Name	Not Yet Assigned		
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		Society, 1987, pp 1147-1148.	
*	CK	Mohammed et al. "Design of Radio Frequency Powered Coils for Implantable Stimulators," <i>IEEE</i> , Ninth Annual Conference of the Engineering in Medicine and Biology Society, 1987, pp 1378-1379.	
*	CL	Myers et al. "A Transcutaneous Power Transformer," <i>American Society for Artificial Internatl Organs</i> , Vol. XIV, 1968, pp 210-214.	
*	CM	Phillips, R. P. "A High Capacity Transcutaneous Transmission System," Link Research, Salt Lake City, pp M259- M262. (Publication Date Unknown.)	
*	CN	Product Description from Raychem of HeatPath GTQ 1540, Electronics OEM Components Div., Raychem Corp., Menlo Park, CA. (Publication Date Unknown.)	
*	CO	Rintoul et al. "Continuing Development of the Cleveland Clinic-Nimbus Total Artificial Heart," <i>ASAIO Journal</i> , Slide Forum-CVS/ECMO 1, 1993, pp M168-M171.	
*	CP	Kjellstrand, Y. Nose, et al., eds. <i>Progress in Artificial Organs</i> . Sherman et al. "Transcutaneous Energy Transmission (TET) System for Energy Intensive Prosthetic Devices." ISAO Press, Cleveland, 1986, pp 400-404.	
*	CQ	Sutton. "A Miniaturized Device for Electrical Energy Transmission Through Intact Skin - Concepts and Results of Initial Tests," <i>Artificial Organs</i> , Third Annual Meeting of the International Society for Artificial Organs, Vol. 5. Abstracts, 7/1981.	
*	CR	Weiss et al. "A Telemetry System for the Implanted Total Artificial Heart and Ventricular Assist Device," <i>IEEE</i> , Ninth Annual Conference of the Engineering in Medicine and Biology Society, 1987, pp 0186-0187.	
*	CS	Weiss et al. "Permanent Circulatory Support Systems at the Pennsylvania State University," <i>IEEE Transactions on Biomedical Engineering</i> , Vol. 37., No. 2, 2/1990, pp 138-145.	
*	CT	Geselowitz et al. "The Effects of Metals on a Transcutaneous Energy Transmission System," <i>IEEE Transactions on Biomedical Engineering</i> , Vol. 39, No. 9, 9/1992, pp 928-934.	
*	CU	Miller et al. "Development of an Autotuned Transcutaneous Energy Transfer System," <i>ASAIO Journal</i> , Slide Forum - Prosthetics 5, 1993, pp M706-M710.	
*	CV	Akutsu, Tetsuzo, ed. <i>Artificial Heart 2: Proceedings of the 2nd International Symposium on Artificial Heart and Assist Device</i> . Mitamura et al. "Development of Transcutaneous Energy Transmission System." SpringerVerlag, Tokyo, Berlin, Heidelberg, New York, London, Paris, 1988, pp 265-271.	
*	CW	Mussivand et al. "Transcutaneous Energy Transfer System Performance Evaluation," <i>Artificial Organs</i> , Vol. 17, No. 11, Blackwell Scientific Publications, Boston, 5/1993, pp 940-947.	
*	CX	Mussivand et al. "Remote Energy Transmission for Powering Artificial Hearts and Assist Devices." Cardiovascular Devices Div., Univ. of Ottawa Heart Institute, Ontario, pp 344-347. (Publication Date Unknown.)	

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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Complete if Known			
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		First Named Inventor	Farhad Zarinetchi et al.		
		Group Art Unit	N/A		
		Examiner Name	Not Yet Assigned		
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*	CY	Sherman et al. "Energy Transmission Across Intact Skin for Powering Artificial Internal Organs," <i>Trans. Am. Soc. Artificial Intern Organs</i> , Vol. XXVII, 1981, pp 137-141.	
*	CZ	International Search Report from PCT application number PCT/US99/15228, filed June 7, 1999	
*	CCA	Hidetoshi Matsuki et al. "Energy Transferring System Reducing Temperature Rise for Implantable Power Consuming Devices" Proceedings of the 18 th Annual Conference of the IEEE Engineering I Medicine and Biology Society, Amsterdam, Oct. 31-Nov. 3, 1996, vol. 1, pages 185/186.	
*	CCB	Patent Abstracts of Japan, vol. 199, no. 505, June 30, 1995 & JP 07 046164 A (Tokin Corp.) February 14, 1995	
*	CCC	Raychem, Heatpath GTQ 1540 "Thermal Interface Material" product description, 2 pages (undated)	
*	CCD	Daily transcript for 1/24/00	
*	CCE	Daily transcript for 1/26/00	
*	CCF	Daily transcript for 1/27/00	
*	CCG	Daily transcript for 1/28/00	
*	CCH	Daily transcript for 1/31/00	
*	CCI	Daily transcript for 2/01/00	
*	CCJ	Daily transcript for 2/03/00	
*	CCK	Daily transcript for 2/04/00	
*	CCL	Deposition transcript of Robert T.V. Kung on 4/8/99	
*	CCM	Deposition transcript of Robert T.V. Kung on 4/9/99	
*	CCN	Deposition transcript of Farhad Zarinetchi on 4/7/99	
*	CCO	Deposition transcript of Farhad Zarinetchi on 8/25/99	
*	CCP	Deposition transcript of Burth Ochs on 4/28/99	
*	CCQ	Deposition transcript of Robert T.V. Kung on 8/26/99	
*	CCR	Deposition transcript of Farhad Zarinetchi on 1/7/00	
*	CCS	Deposition transcript of Burt D. Ochs on 1/7/00	
*	CCT	Deposition transcript of Craig Sherman on 1/17/00	
*	CCU	Deposition transcript of Mark N. Horenstein on 1/17/00	

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